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A. JERGENS

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SOAP FRAMING DEVICE

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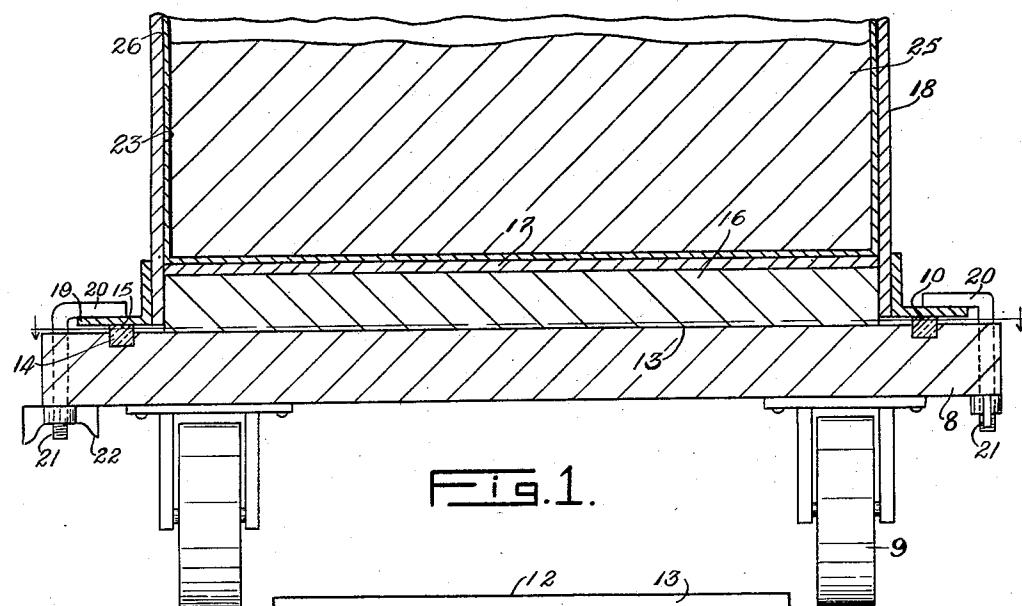


Fig. 1.

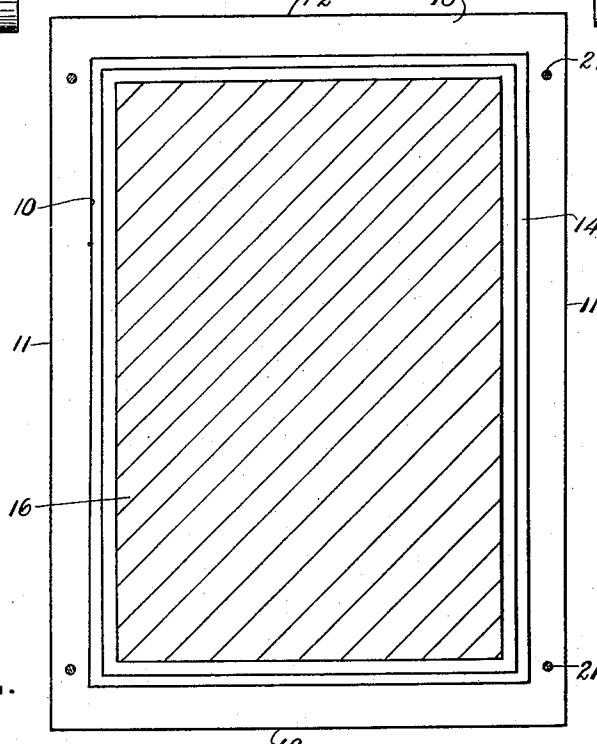


Fig. 2.

Inventor

Andrew Jergens

By *Murray Jergens*
Attorneys

UNITED STATES PATENT OFFICE

ANDREW JERGENS, OF CINCINNATI, OHIO, ASSIGNOR TO THE ANDREW JERGENS COMPANY, OF CINCINNATI, OHIO, A CORPORATION OF OHIO

SOAP FRAMING DEVICE

Application filed February 10, 1930. Serial No. 427,138.

This invention relates to a soap framing apparatus and has for its principal object the provision of means which eliminate completely the necessity for plastering or puttying the crevice or joint between the base and frame members.

Another object is to provide a simple arrangement whereby a very effective and easily manipulated soap frame is provided.

These and other objects are attained by the means described herein and disclosed in the accompanying drawings, in which:

Fig. 1 is a fragmental vertical section through a device of the invention.

Fig. 2 is a view taken on line 2—2 of Fig. 1. Heretofore it has been practically universal in the art of soap framing to employ a base or platform and place thereon a metal frame to form an open topped mold. The crevice or joint between the base and frame has always required the puttying or plastering with a suitable compound to avoid seepage of the liquid soap therethrough. This has occasioned much tedious labor and time both of which are eliminated by the device hereinafter described.

In the present embodiment there is provided a platform 8 which may be suitably mounted on rollers or casters 9 and which is provided with a channel 10 preferably spaced equi-distant from each of the edges 11 and 12 of the platform. These channels 10 communicate with one another at right angles and usually form a rectangular seat in the top surface 13 of the platform. A rubber gasket 14 is shaped on its lower face to conform to the cross-sectional contour of the channel 10 and presents a flat top face 15 which is parallel to the top 13 of the platform. Centered within the confines of the area between the four communicating channels 10 is a base block 16 having a sheet metal top plate 17. The plate 17 is co-extensive to the top surface of the base 16. The soap frame 18 may be one of the type in ordinary use which consists of a box-like continuous metallic member, usually rectangular in shape and tapering slightly toward the top. This frame 18 has a flange 19 extending at right angles thereto and flush with its bottom

along each of its four edges. Suitable strengthening ribs such as angle irons (not shown) may be secured to the outer walls of the frame 18 at various elevations in the manner well understood by those versed in the art. The outwardly projecting flanges rest intermediate their longitudinal edges upon the top faces 15 of the gasket 14 of rubber or other suitable compressible material. A plurality of clamp members 20 having threaded shanks 21 extending through perforations 22 in the platform 8 are adapted to be passed over the top faces of the flanges 19, whereupon, when clamping nuts 21 are drawn the flanges are seated snugly upon the gasket. The action of the clamping screws is preferably relatively light so that the gasket 14 is not compressed to its limit. The inner faces 23 of the walls of the frame 18 are slidably passed over the edges of plate 17 and base 16 so that with a comparatively snug fit a snug joint is formed between the edges of the plate 17, base 16 and the inner faces of the frame. The structure is such that with the snug joint just referred to very slight seepage may take place past the metal plate 17 and base 16. Such seepage however as may pass this joint is effectively retained inferiorly of the restricted area between the flange and platform, and the base and gasket. With the members in position as explained and shown in Fig. 2, soap is poured into the mold formed by the platform and frame and is permitted to solidify. After the solid cake of soap 25 has been formed, it requires but a moment to loosen the wing nuts 22 and turn the clamps 20 free of flanges 19, whereupon the frame 18 is lifted bodily in the well known manner and the block of soap remains upon the plate 17 on the platform. As shown in Fig. 1 a suitable destructible liner 26 may be used to cover the plate 17 and the inner walls of the frame 18; this however forms the subject matter of a separate patent application and is therefore not detailed herein. It will be understood that various means may be employed for mounting the compressible gasket in position and for securing the frame in abutment therewith.

What is claimed is:

1. In a soap framing device the combination with a suitable platform of a base of lesser area than the platform and projecting above the platform, a frame open at its top and bottom and slidably receiving the base in the bottom thereof, flange means on the exterior of the frame, a gasket interposed between the flange and platform and spaced from said base and means for clamping the flange on the gasket.
2. In a soap framing device the combination of a platform, a frame having an outwardly-projecting bottom portion, means projecting upwardly from the platform and slidably engaging the inner faces of said hollow frame, compressible gasket means surrounding said last mentioned means in spaced relation thereto and disposed beneath the bottom of said frame, and means for retaining the frame under suitable pressure upon said gasket means.
3. In a soap framing device, the combination of a platform, a base of less area than the platform and supported centrally thereon, a frame having an open bottom provided with outwardly-projecting flanges, a gasket member positioned upon the upper surface of the platform and surrounding the base in spaced relationship therewith, said open frame bottom being adapted to embrace said base in snug relationship therewith and said flanges being receivable upon said gasket member, and means for retaining the frame under suitable pressure upon the gasket member.

In testimony whereof I have hereunto subscribed my name this 23rd day of January, 1930.

ANDREW JERGENS.

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